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| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: November 4, 2010 (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number 10/536,834 Filing Date 03/20/2006 First Named Inventor Steffen GOLETZ, et al. Art Unit 1643 Examiner Name Karen A. Canella Attorney Docket Number 00056-0001-001 | |
| Sheet | 1 | of | 2 | | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | AA | US 2002/132771 | 09-19-2002 | Madiyalakan | |
| | AB | 5,506,343 | 04-09-1996 | Dana-Farber Cancer | |
| | AC | 5,683,674 | 11-04-1997 | Imperial Cancer Institute | |
| | AD | 5,804,187 | 09-08-1998 | Cancer Research Fund | |
| | AE | 6,315,997 | 11-13-2001 | Cancer Research Fund | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Documents | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | AF | WO 02/44217 | 06-06-2002 | Lo Benny Kwan Ching | | |
| | AG | WO 01/12217 | 02-22-2001 | Altarex, Inc. | | |
| | AH | WO 93/20841 | 10-28-1993 | Dana-Farber | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
| | AI | Goletz, et al., "Binding Patterns of 33-TD-4(MUC1) Antibodies Towards Single-Chain Fragments and Peptides Mimicking the Conformation of the MUC1 PDTRP EPITOPE", Tumor Biology, Vol. 21, No. Supplement 1, page 142, September 2000. | |
| | AJ | Dai, et al., "Effect of Desialylation on Binding, Affinity, and Specificity of 56 Monoclonal Antibodies Against MUC1 Mucin", Tumor Biology, Vol. 19, Supplemental 19, pages 100-110, 1998. | |
| | AK | Hinoda, et al., "Circulating Tumor-Associated Antigens Detected by Monoclonal Antibodies Against the Polypeptide Core of Mucin: Comparison of Antigen MUSE11 with CA15-3", Gastroenterologia Japonica, Vol. 27, No. 3, pages 390-395, 1992. | |
| | AL | Jensen, et al., "Functional Improvement of Antibody Fragments Using a Novel Phage Coat Protein III Fusion System", Biochemical and Biophysical Research Communications, Vol. 298, pages 566-573, 2002. | |
| | AM | Freshney, "Culture of Animal Cells, A Manual of Basic Technique", Alan R. Liss, Inc., 1983, New York, page 4. | |
| | AN | Dermer, "Another Anniversary for the War on Cancer", Biotechnology, Vol. 12, page 320, 1994. | |
| | AO | MSNBC News Services, "Mixed Results on New Cancer Drug", November 9, 2000. | |

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|--------------------|---------------------------|-----------------|------------|
| Examiner Signature | /Karen A. Canella, Ph.D./ | Date Considered | 01/31/2011 |
|--------------------|---------------------------|-----------------|------------|

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| | | Art Unit | 1643 |
| Sheet 2 of 2 | | Examiner Name | Karen A. Canella |
| | | Attorney Docket Number | 00056-0001-001 |

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| | AP | Gura, "Systems for Identifying New Drugs are Often Faulty", Science, Vol. 278, pages 1041-1042, 1997. | |
| | AQ | Wu, et al., "Humanization of a Murine Monoclonal Antibody by Simultaneous Optimization of Framework and CDR Residues", Journal of Molecular Biology, Vol. 294, pages 151-162, 1999. | |
| | AR | Burgess, et al., "Possible Dissociation of the Heparin-Binding and Mitogenic Activities of the Heparin-Binding (Acidic Fibroblast) Growth Factor-1 from its Receptor Binding Activities by Site Directed Mutagenesis of a Single Lysine Residue", Journal of Cell Biology, Vol. 111, pages 2129-2138, 1990. | |
| | AS | Lazar, et al., "Transforming Growth Factor Alpha: Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities", Molecular and Cellular Biology, Vol. 8, pages 1247-1252, 1988. | |
| | AT | Fiebig, et al., "Clonogenic Assay with Established Human Tumor Xenografts: Correlation of In Vitro to In Vivo Activity as a Basis for Anticancer Drug Discovery", European Journal of Cancer, Vol. 40, pages 802-820, 2004. | |
| | AU | Scheibel, et al., "Contribution of N- and C-Terminal Domains to the Function of Hsp90 in Saccharomyces Cerevisiae", Molecular Microbiology, Vol. 34, pages 701-713, 1999. | |
| | AV | Skerra, et al., "Alternative Non-Antibody Scaffolds for Molecular Recognition", Current Opinion in Biotechnology, Vol. 18, pages 295-303, 2007. | |
| | AW | Hosse, et al., "A New Generation of Protein Display Scaffolds for Molecular Recognition", Protein Science, Vol. 15, pages 14-27, 2006. | |
| | AX | Hufton, et al., "Development and Application of Cytotoxic T Lymphocyte-Associated Antigen 4 as a Protein Scaffold for the Generation of Nevel Binding Ligands", FEBS Letters, Vol. 475, Issue 3, pages 225-231. | |
| | AY | Nicaise, et al., "Affinity Transfer by CDR Grafting on a Nonimmunoglobulin Scaffold", Protein Science, Vol. 13, pages 1882-1891, 2004. | |
| | AZ | Peach et al., "Complementarity Determining Region 1 (CDR1)- and CDR3-analogous Regions in CTLA-4 and CD28 Determine the Binding to B7-1", Journal of Experimental Medicine, Vol. 180, pages 2049-2058. | |
| | BA | Saerens, et al., "Identification of a Universal VHH Framework to Graft Non-Canonical Antigen-Binding Loops of Camel Single-Domain Antibodies", Journal of Molecular Biology, Vol. 352, Issue 3, pages 597-607, September 2005. | |

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